

CLAIMS

What is claimed is:

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- 5 1. A cellular telephone, comprising:
a cellular telephone module;
a piconet front end; and
a cordless telephone PSTN gateway role, in communication
with said cellular telephone module and with said piconet front end;
wherein said cordless telephone PSTN gateway role allows
10 a remote piconet device to answer an incoming call to said cellular
telephone over a piconet network.
- 15 2. The cellular telephone according to claim 1, further
comprising:
a cordless telephone terminal role.
- 20 3. The cellular telephone according to claim 1, wherein:
said piconet front end is a BLUETOOTH device.
- 25 4. The cellular telephone according to claim 1, wherein:
said cordless telephone PSTN gateway role conforms with
BLUETOOTH device standards.
5. The cellular telephone according to claim 1, wherein:
said remote piconet device is another cellular telephone.

6. The cellular telephone according to claim 1, further comprising:

an authorized terminal list including unique identification of at least one remote piconet device permitted to answer incoming calls to said cellular telephone.

7. The cellular telephone according to claim 1, wherein: said piconet network includes a scatternet connection.

8. A method of remotely answering an incoming call to a cellular telephone over a wireless piconet network, comprising:

establishing a piconet network including said cellular telephone and a remote piconet device;

routing audio from said cellular telephone to said remote piconet device over said wireless piconet network.

9. The method of remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 8, further comprising:

performing call establishment functions from said cellular telephone under control of said remote piconet device.

10. The method of remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 8, wherein:

said audio is BLUETOOTH audio.

11. The method of remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 8, wherein:

5 said establishing said piconet network includes establishment of a scatternet connection.

12. The method of remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 8, further comprising:

10 establishing in said cellular telephone a list of authorized remote piconet devices permitted to remotely answer incoming calls to said cellular telephone.

13. Apparatus for remotely answering an incoming call to a cellular telephone over a wireless piconet network, comprising:

15 means for establishing a piconet network including said cellular telephone and a remote piconet device; and

 means for routing audio from said cellular telephone to said remote piconet device over said wireless piconet network.

20 14. The apparatus for remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 13, further comprising:

25 means for performing call establishment functions from said cellular telephone under control of said remote piconet device.

15. The apparatus for remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 13, wherein:

30 said audio is BLUETOOTH audio.

16. The apparatus for remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 13, wherein:

5 said means for establishing said piconet network establishes a scatternet connection.

17. The apparatus for remotely answering an incoming call to a cellular telephone over a wireless piconet network according to claim 13, further comprising:

10 means for establishing in said cellular telephone a list of authorized remote piconet devices permitted to remotely answer incoming calls to said cellular telephone.

18. A method of allowing a remote piconet device answer an incoming call to a wireless telephone in communication with said piconet device, comprising:

passing incoming call information from said wireless telephone receiving an incoming call, to said remote piconet device over a wireless piconet; and

20 audibly ringing said remote piconet device in response to receipt of said incoming call information by said wireless telephone.

19. The method of allowing a remote piconet device answer an incoming call to a wireless telephone in communication with said piconet device according to claim 18, further comprising:

25 audibly ringing said wireless telephone together with said remote piconet device in response to said receipt of said incoming call information by said wireless telephone.

20. The method of allowing a remote piconet device answer an incoming call to a wireless telephone in communication with said piconet device according to claim 18, further comprising:

audibly ringing at least two remote piconet devices in
5 response to receipt of said incoming call information by said wireless telephone.

21. The method of allowing a remote piconet device answer an incoming call to a wireless telephone in communication with said piconet device according to claim 18, wherein:

said wireless piconet is a BLUETOOTH piconet network.

22. The method of allowing a remote piconet device answer an incoming call to a wireless telephone in communication with said piconet device according to claim 18, wherein:

said incoming call information includes a ring indication.

23. Apparatus for allowing a remote piconet device answer an incoming call to a wireless telephone in communication with said piconet device, comprising:

means for passing incoming call information from said wireless telephone receiving an incoming call, to said remote piconet device over a wireless piconet; and

means for audibly ringing said remote piconet device in
25 response to receipt of said incoming call information by said wireless telephone.